

**Incremental Manufacturer Costs for Compliance with ARB's Proposed OHRV Evaporative Regulation and Test Procedures**

**January 2013**

**Assistance requested:**

Air Resources Board (ARB) staff is proposing amendments to the evaporative emission standards for Off-Highway Recreational Vehicles (OHRV). A copy of the draft regulation and test procedure is posted on the ARB website:

<http://www.arb.ca.gov/msprog/offroad/orrec/orrec.htm>

OHRV Manufacturers are encouraged to complete the following table, as applicable, to estimate the incremental manufacturer cost associated with the draft proposed regulation and test procedure. Incremental manufacturer cost is the increase in cost, to the manufacturer (not retail price equivalent), of components associated with this proposed regulation (new component cost minus current component cost).

For questions, please contact Pippin Mader at (916) 322-8930 or by email [pmader@arb.ca.gov](mailto:pmader@arb.ca.gov).

**Please provide responses by March 1, 2013.**

Mail: ARB, MLD

Fax: (916) 322-2444

Attn: Pippin Mader

P.O. Box 2815

Sacramento, CA 95812

Date:	<b>Treat source of information as confidential:</b>
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Manufacturer Name:	Contact Name:
Telephone:	Email:
Contact Address:	
What is the average time, in model years, between evaporative family re-design?	
What percentage of your OHRVs are manufactured in California?	
Are cost estimates based on building "California only" or "50 state" OHRVs?	
Estimated retooling cost, if any, associated with the assembly process of OHRVs with low emissions technology:	

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	OHRV Evaporative Family # (e.g. 1, 2, 3, ...)	Evaporative Family Displacement Range (cc)	Incremental Costs for Compliance with ARB's Proposed OHRV Evaporative Regulation and Test Procedures							
			Low Perm Fuel Hose  (\$Incr Cost per vehicle)	Low Perm Fuel Tank  (\$Incr Cost per vehicle)	Carbon Canister / Pressure Relief Valve  (\$Incr Cost per vehicle)	Fuel Management  (\$Incr Cost per vehicle)	Other Control Components*  (\$Incr Cost per vehicle)	Re-Design resulting from this regulation**  (\$Cost per evaporative family)	Testing and Certification  (\$Cost per evaporative family)	Evaporative Family Size  (Projected vehicle sales in California per evaporative family)
ATV Evaporative Families**	ATV Evap Evaporative Family #1									
	ATV Evap Evaporative Family #2									
	ATV Evap Evaporative Family #3									
Motorcycle Evaporative Families**	MC Evap Evaporative Family #1									
	MC Evap Evaporative Family #2									
	MC Evap Evaporative Family #3									
Side-by-Side vehicle Evaporative Families**	Side-by-Side vehicle Evaporative Family #1									
	Side-by-Side vehicle Evaporative Family #2									
Misc Evap families*	Other* (i.e. sand cars, etc.)									

\* Please provide additional information as needed regarding "Other OHRV Categories", "Re-Design", or "Other Control Components".

\*\* Add additional families as needed